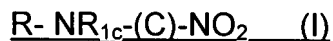
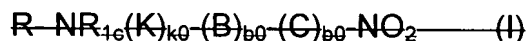


II. AMENDMENTS TO THE CLAIMS:

1. (Currently Amended) Nitrooxyderivatives or salts thereof of ~~having the following~~
general formula (I)



wherein ~~c0 is 0 or 1;~~

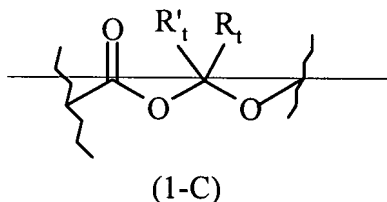
~~b0 is 0 or 1, with the proviso that c0 and b0 can not be simultaneously 0;~~

~~k0 is 0 or 1;~~

~~R is the radical of an analgesic drug for chronic pain;~~

~~R_{1c} [[, being]] is H or straight or branched alkyl with from 1 to 5 carbon atoms;~~

~~K is (CO) or the bivalent radical (1C) having the following formula:~~



~~wherein the carbonyl group is bound to T₁; R_t and R'_t, same or different, are H, C₁-C₄₀-alkyl, phenyl or benzyl, COOR_y, in which R_y = H, C₁-C₄₀-alkyl, phenyl, benzyl;~~

~~B = T_B-X₂-T_B wherein~~

~~T_B = (CO) or X, in which X = O, S, NH;~~

~~with the proviso that:~~

~~when b0 = 1 and k0 = 0, then T_B = (CO);~~

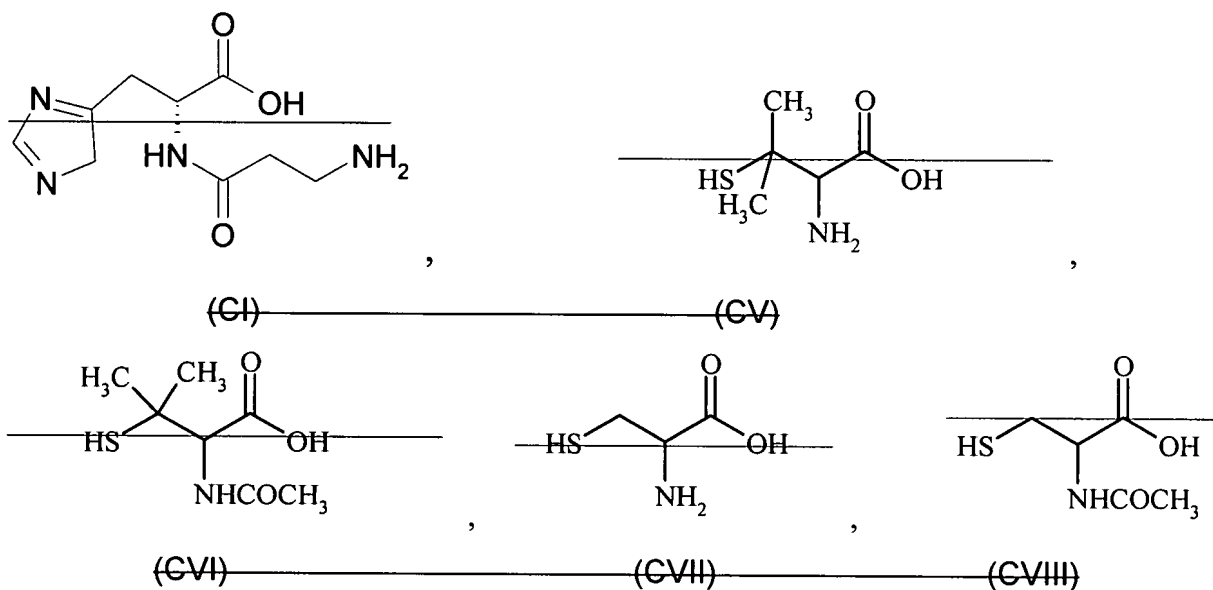
~~when b0 = 1 and k0 = 1, being K = (CO), then T_B = X as defined above;~~

$T_{B1} = (CO)$ or (X) , wherein X is as defined above;

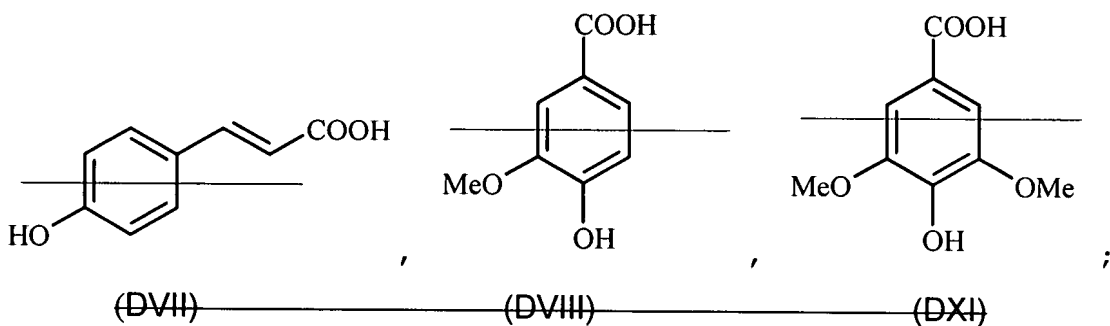
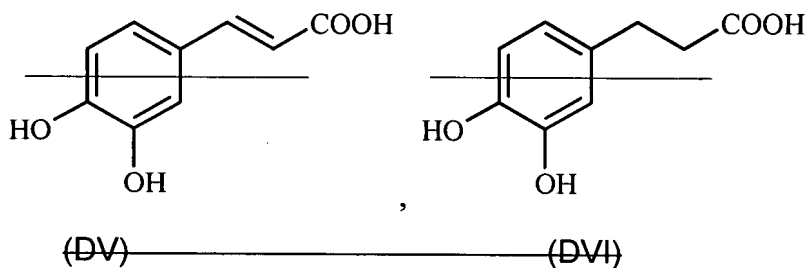
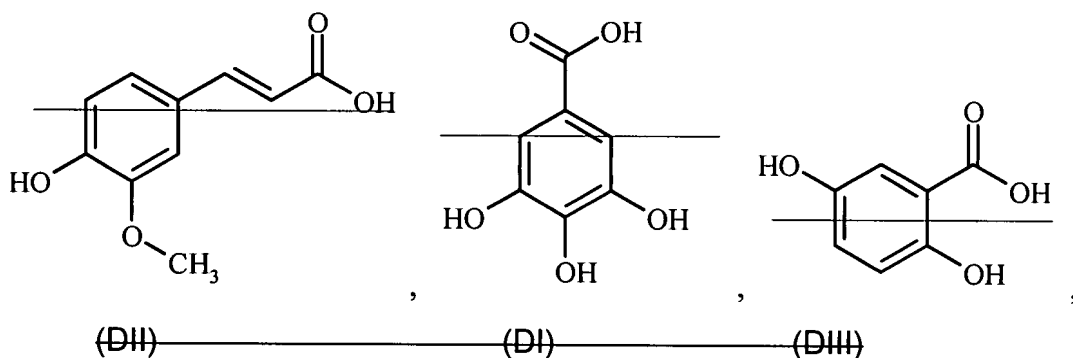
when $c0 = 0$, then $T_{B1} = -O-$;

X_2 is such a bivalent bridging group such as the corresponding precursor of B , having the formula $Z-T_B-X_2-T_{B1}-Z'$ in which Z, Z' are independently H or OH , is selected from the following compounds:

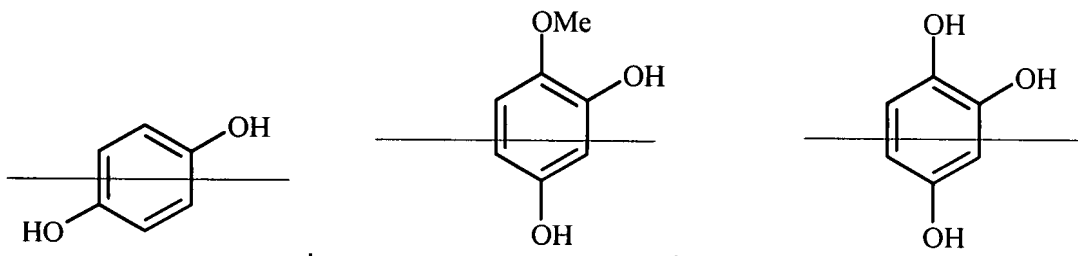
— Aminoacids: L-carnosine (CI), penicillamine (CV), N-acetylpenicillamine (CVI), cysteine (CVII), N-acetylcysteine (CVIII):

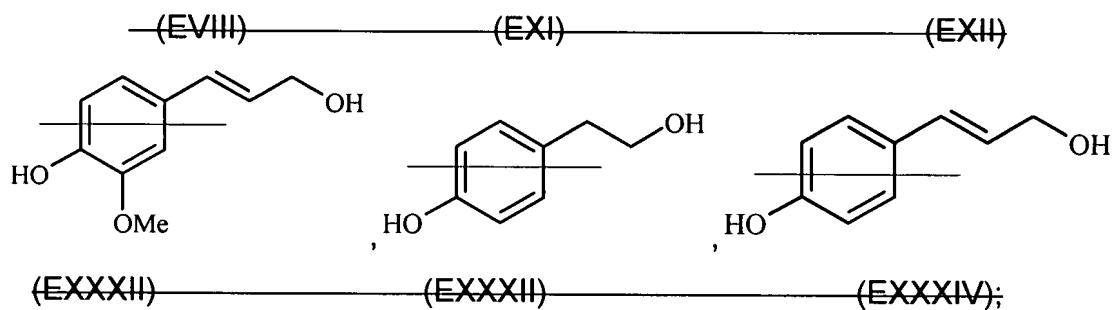


— Hydroxyacids: gallic acid (DI), ferulic acid (DII), gentisic acid (DIII), caffeic acid (DV), hydro-caffeic acid (DVI), p-coumaric acid (DVII), vanillic acid (DVIII), syringic acid (DXI):



—aromatic polyalcohols: hydroquinone (EVIII), methoxyhydroquinone (EXI), hydroxyhydroquinone (EXII), coniferyl alcohol (EXXXII), 4-hydroxyphenetyl alcohol (EXXXIII), p-coumaric alcohol (EXXXIV):





C = bivalent radical having the of formula -T_c-Y

wherein

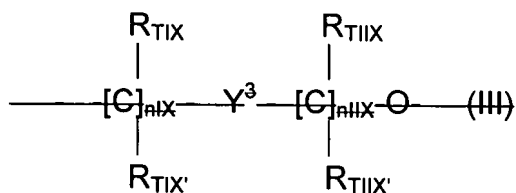
T_c = (CO) or X being as defined above;

with the proviso that when b₀ = 0 and k₀ = 1:

~~T_c = (CO) when K = (1C);~~

~~T_c = X as defined above when K = (CO); and~~

Y is has one of the following meanings:



wherein:

nIX is an integer of from 0 to 5;

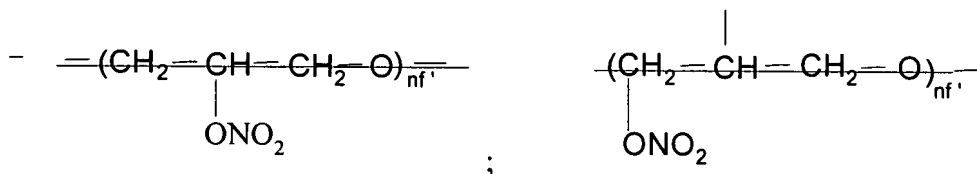
nIIX is an integer of from 1 to 5;

~~R_{TIX}, R_{TIX}, R_{TIX}, R_{TIX}, the same or different, are H or straight or branched C₁-C₄-alkyl;~~

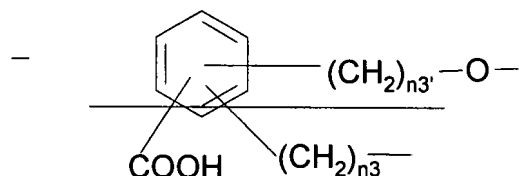
~~or Y may be:~~

cycloalkylene with from 5 to 7 carbon atoms, ~~or, and wherein in cycloalkylene ring one or more carbon atoms can be replaced by heteroatoms and the ring may present side chains of R' type, R' being as defined above;~~

~~or one of the following groups:~~

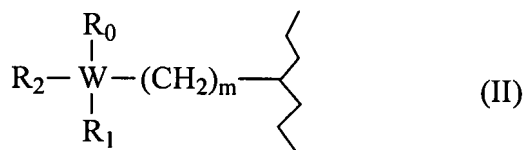

$$\begin{array}{ccc} \text{---} \text{---} (\text{CH}=\text{CH}_2=\text{O})_{nf} \text{---} & & \text{---} (\text{CH}_2=\text{CH}=\text{O})_{nf} \text{---} \\ | & & | \\ \text{R}_{1f} & & \text{R}_{1f} \end{array}$$
$$\text{---}(\text{CH}_2)_{n_3}\text{---}\text{C}_6\text{H}_4\text{---}(\text{CH}_2)_{n_3}\text{---O---}$$

wherein n_3 is an integer from 0 to 5 and n_3' is an integer from 1 to 3; or



in which n_3 and n_3' have the meaning mentioned above;

R is the radical of an analgesic drug having of formula (II):



wherein:

W is a carbon or nitrogen atom;

m is 1 an integer of from 0 to 2;

$R_0 = [H,] - (CH_2)_n - COOR_y$, wherein $R_y = H, C_1-C_{10}\text{-alkyl, phenyl, or benzyl}$ being as defined above;

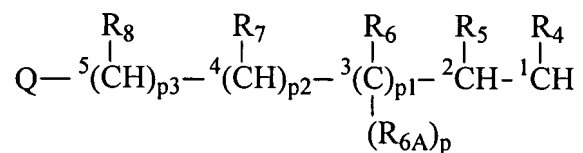
n is an integer of from 0 to 2;

$R_1 = H$; when $W = N$, R_1 is the electronic doublet on nitrogen atom (free valence);

R_2 is selected from the following groups:

- phenyl, optionally substituted with a halogen atom or with a group selected from -
OCH₃, -CF₃, nitro;
- mono or dihydroxy-substituted benzyl, preferably 3,4-dihydroxybenzyl;
- amidino group: H₂N(C=NH)-;

- a radical of formula (IIA), wherein optionally an ethylenic unsaturation may be present between the carbon atoms in position 1 and 2, or 3 and 4 or 4 and 5:



(IIA)

wherein:

p , p_1 , p_2 are integers, same or different, and are 0 or 1;

p_3 is an integer of from 0 to 10;

R_4 is hydrogen, straight or branched C_1 - C_6 -alkyl, free valence;

R_5 may have the following meanings:

- hydrogen,
- straight or branched C_1 - C_6 -alkyl,
- C_3 - C_6 -cycloalkyl, or
- OR_A , R_A having the following meanings:
 - straight or branched C_1 - C_6 -alkyl, optionally substituted with one or more halogen atoms, preferably F,
 - phenyl optionally substituted with a halogen atom or with one of the following groups: $-OCH_3$, $-CF_3$, nitro;

R₆, R_{6A}, R₇, R₈, the same or different, are H, methyl or free valence, with the proviso that when an ethylenic unsaturation is present between C₁ and C₂ in radical of formula (IIA), R₄ and R₅ are free valences able to form the double bond between C₁ and C₂; if the unsaturation is between C₃ and C₄, R₆ and R₇ are free valence able to form the double bond between C₃ and C₄; if the unsaturation is between C₄ and C₅, R₇ and R₈ are free valence able to form the double bond between C₄ and C₅;

Q is H, OH, OR_B, R_B being benzyl, straight or branched C₁-C₆-alkyl, optionally substituted with one or more halogen atoms, preferably F, phenyl optionally substituted with a halogen atom or with one of the following groups: -OCH₃, -CF₃, nitro; or

Q may have one of the following meanings:

- straight or branched C₁-C₆-alkyl,
- C₃-C₆-cycloalkyl,
- guanidino (H₂NC(=NH)NH-), or
- thioguanidino (H₂NC(=S)NH-) [[.]] .

in formula (II) R₂ with R₁ and with W = C form together a C₄-C₁₀ saturated or unsaturated ring.

2. (Canceled)

3. (Currently Amended) Compounds according to claim 1, wherein characterized in that in formula (I):

~~c₀ is 1;~~

~~b₀ is 0 or 1;~~

~~k₀ is 0 or 1;~~

~~R_{4c} = H;~~

~~K is (CO) or the bivalent radical (1C) as defined in claim 1;~~

~~B = T_B-X₂-T_{Bl} wherein~~

~~T_B = (CO) or X, in which X = O, S, NH;~~

~~with the proviso that:~~

~~when b₀ = 1 and k₀ = 0, then T_B = (CO);~~

~~when b₀ = 1 and k₀ = 1, being K = (CO), then T_B = X as defined above;~~

~~T_{Bl} = (CO) or (X), wherein X is as defined above;~~

~~when c₀ = 0, then T_{Bl} = O;~~

~~the precursor of B is N-acetylcysteine or ferulic acid;~~

~~G = bivalent radical having the formula T_e-Y~~

~~wherein~~

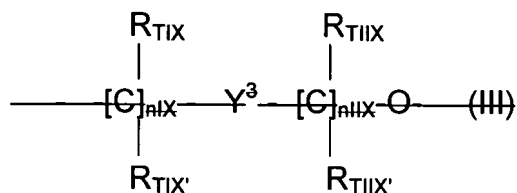
~~T_e = (CO) or X being as defined above;~~

~~with the proviso that when b₀ = 0 and k₀ = 1:~~

~~— T_e = (CO) when K = (1C),~~

~~- T_e = X as defined above when K = (CO); and~~

~~Y is has one of the following meanings:~~

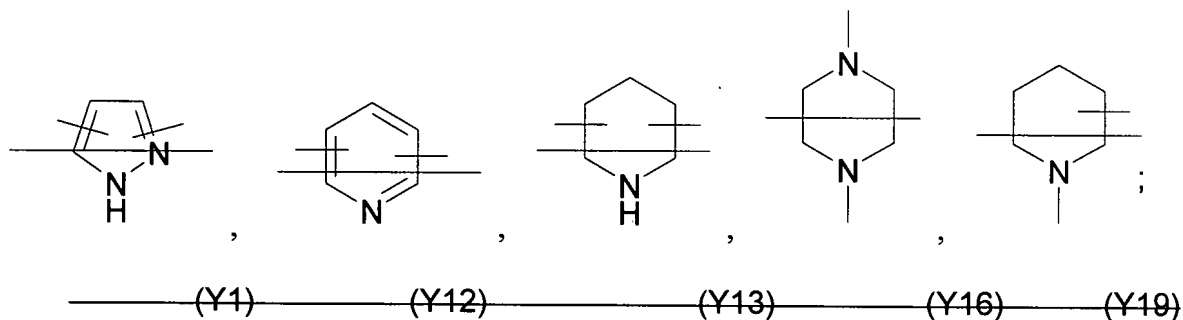


wherein:

~~nIX and nIIX are 1;~~

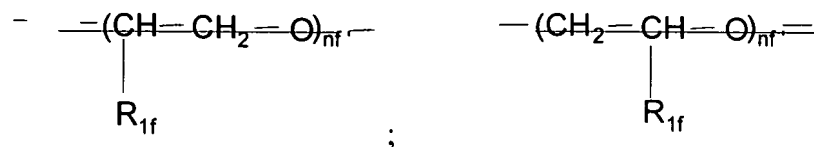
~~R_{TIX}, R_{TIX'}, R_{TIIIX}, R_{TIIIX'} are H;~~

~~Y³ is selected from the following bivalent radicals:~~

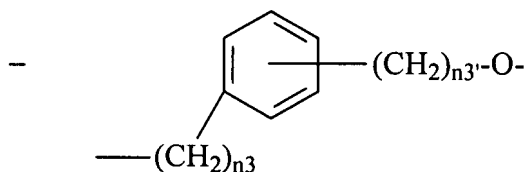


or Y may be:

an alkylenoxy group -R'O- in which R' is straight or branched C₂-C₆ alkyl; or

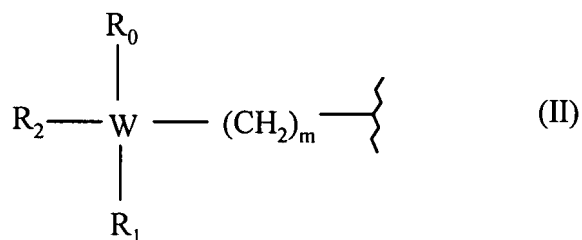


~~wherein R_{1f} = H, CH₃ and nI is an integer from 1 to 4;~~



wherein n_3 is an integer from 0 to 3 and n_3' is an integer from 1 to 3;

R is the radical of an analgesic drug [[having]] of formula (II):



wherein:

W is a carbon atom;

m is [[0 or]] 1;

$\text{R}_0 = \text{[[H or]] } \text{---}(\text{CH}_2)_n\text{---COOH } \text{---}(\text{CH}_2)_{n'}\text{---COOH}$, wherein n is an integer of from 0 to 2;

$\text{R}_1 = \text{H}$;

R_2 is selected from the following groups:

- 3,4-dihydroxybenzyl; or
- a radical of formula (IIA) as defined in claim 1, wherein:

p and p_1 are 0 or 1;

p_2 and p_3 are 0;

R_4 and R_5 are hydrogen, straight or branched $\text{C}_1\text{--C}_6$ -alkyl or free valence;

R_6 and R_{6A} are H;

with the proviso that when an ethylenic unsaturation is present between C₁ and C₂ in radical of formula (IIA), R₄ and R₅ are free valences able to form the double bond between C₁ and C₂;

Q is H, CH₃ or

- guanidino (H₂NC(=NH)NH-), or
- thioguanidino (H₂NC(=S)NH-);

in formula (II) R₂ with R₁ and with W form together a C₆ saturated ring.

4. (Currently Amended) Compounds according to claim 1, wherein when in formula (II) W = C, m = 1 and R₀ = -(CH₂)_n-COOR_y, wherein n = 1 and R_y = H; R₂ and R₁ with W as defined above form the cyclohexane ring; the drug precursor of R having the formula R-NH₂ is known as gabapentin;

~~when in formula (II) W = C, m = 0 and R₀ is defined as for gabapentin with n = 0; R₁ = H; R₂ is the radical of formula (IIA) in which p = p₁ = 1, p₂ = p₃ = 0, R₄ = R₅ = R₆ = R_{6A} = H, Q = H; the drug precursor of R having the formula R-NH₂ is known as norvaline;~~

~~when in formula (II) W = C, m = 0 and R₀ is defined as for gabapentin with n = 0; R₁ = H; R₂ is the radical of formula (IIA) in which p = p₁ = 1, p₂ = p₃ = 0, R₄ = R₅ = R₆ = R_{6A} = H, Q is the guanidino group; the drug precursor of R having the formula R-NH₂ is known as arginine;~~

~~when in formula (II) W = C, m = 0 and R₀ is defined as for gabapentin with n = 0; R₁ = H; R₂ is the radical of formula (IIA) in which p = p₁ = 1, p₂ = p₃ = 0, R₄ = R₅ = R₆ = R_{6A} =~~

~~H, Q is the thioguanidino group; the drug precursor of R having the formula R-NH₂ is known as thiocitrulline;~~

when in formula (II) $W = C$, $m = 1$ and R_0 is defined as for gabapentin with $n = 1$; $R_1 = H$; R_2 is the radical of formula (IIA) in which $p = p_1 = p_2 = p_3 = 0$, $R_4 = H$, $R_5 = Q = CH_3$; the drug precursor of R having the formula R-NH₂ is known as pregabalin;

when in formula (II) $W = C$ and has (S) configuration, $m = 1$ and R_0 is defined as for gabapentin with $n = 1$; $R_1 = H$; R_2 is the radical of formula (IIA) in which $p = p_1 = p_2 = p_3 = 0$, $R_4 = H$, $R_5 = Q = CH_3$; the drug precursor of R having the formula R-NH₂ is known as (S)3-isobutylGABA;

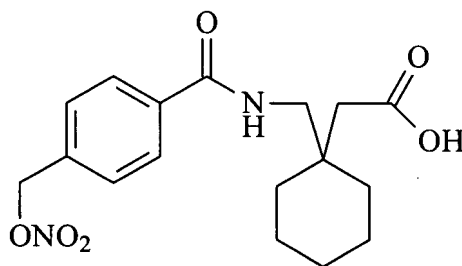
~~when in formula (II) $W = C$ and has (S), $m = 0$; $R_0 = R_1 = H$; R_2 is the radical of formula (IIA) in which $p = p_4 = 1$, $p_2 = p_3 = 0$, $R_4 = R_5 = R_6 = R_{6A} = H$, Q is the guanidino group; the drug precursor of R having the formula R-NH₂ is known as agmatine;~~

~~when in formula (II) $W = C$, $m = 0$; R_0 is defined as for gabapentin with $n = 2$; $R_1 = H$; R_2 is the radical of formula (IIA) in which $p = p_1 = p_2 = p_3 = 0$, R_4 and R_5 are free valences and between C_4 and C_2 there is an ethylenic unsaturation, $Q = H$; the drug precursor of R having the formula R-NH₂ is known as vigabatrin;~~

~~when in formula (II) $W = C$, $m = 0$; R_0 is defined as for gabapentin with $n = 0$; $R_1 = H$; R_2 is the 3,4-dihydroxybenzyl radical; the drug precursor of R having the formula R-NH₂ is known as 2-amino-3-(3,4-dihydroxyphenyl)propanoic acid (dopa).~~

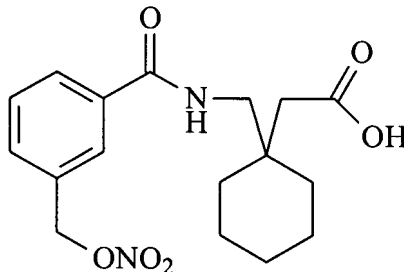
5. (Canceled)

6. (Currently Amended) Compounds according to claim 1 selected from: 1-[4-(nitrooxymethyl)benzoylaminoethyl]-cyclohexaneacetic acid (XVA),



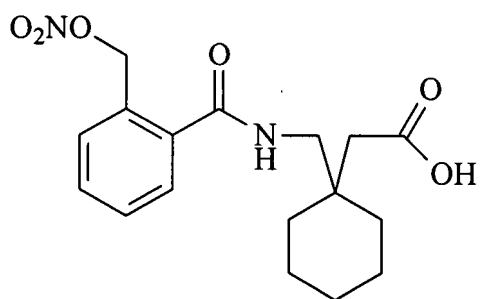
(XVA)

1-[3-(nitrooxymethyl)benzoylaminoethyl]-cyclohexaneacetic acid (XVIA),



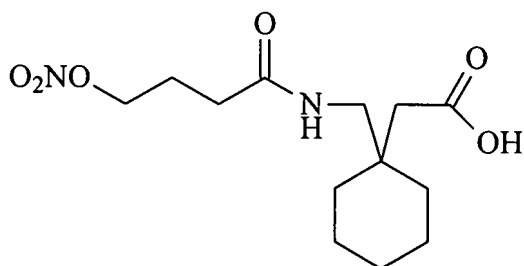
(XVIA)

1-[2-(nitrooxymethyl)benzoylaminoethyl]-cyclohexaneacetic acid (XVIIA),



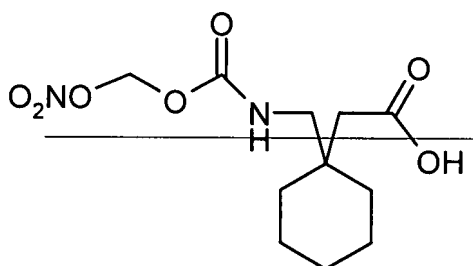
(XVIIA)

1-(4-nitrooxybutanoylaminoethyl)-cyclohexaneacetic acid (XVIII),



(XVIII)

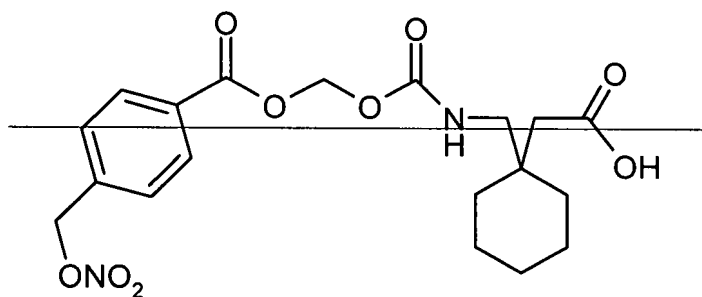
~~1-(nitrooxymethoxycarbonylaminoethyl)-cyclohexaneacetic acid (XIX),~~



~~(XIX)~~

~~1-[[4-(nitrooxymethyl)benzoyloxy]methoxycarbonylaminoethyl]-cyclohexaneacetic acid~~

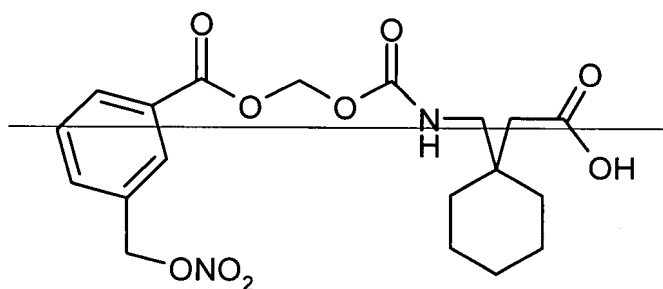
~~(XX),~~



(XXA)

~~1-[[3-(nitrooxymethyl)benzoyloxy]methoxycarbonylaminomethyl]-cyclohexaneacetic acid~~

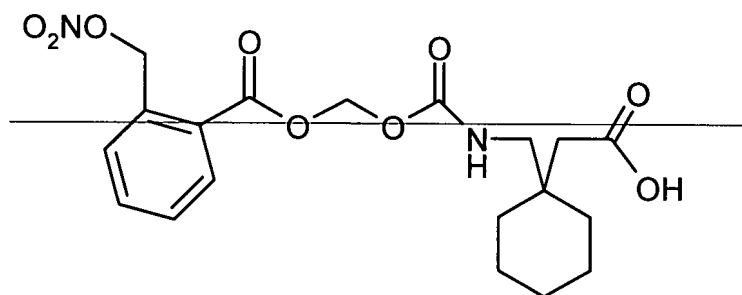
(XXIA),



(XXIA)

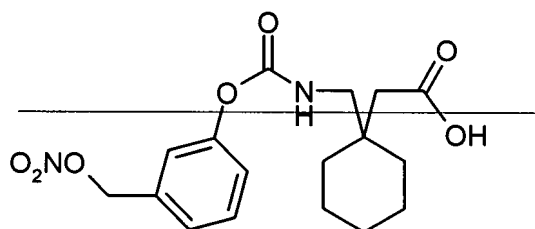
~~1-[[2-(nitrooxymethyl)benzoyloxy]methoxycarbonylaminomethyl]-cyclohexaneacetic acid~~

(XXIIA),



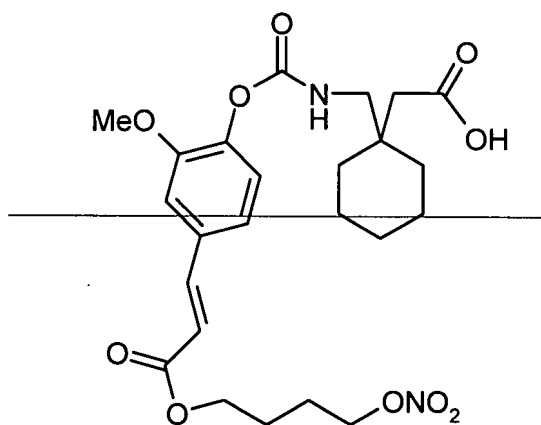
(XXIIA)

~~1-[3-(nitrooxymethyl)phenoxy]carbonylaminoethyl]-cyclohexaneacetic acid (XXIIIA),~~



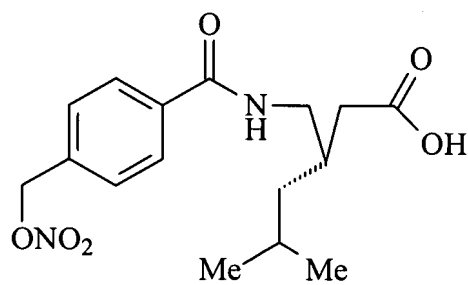
(XXIII A)

~~{2-methoxy-4-[(1E)-3-[4-(nitrooxybutoxy)-3-oxa-1-propenyl]phenoxy]-carbonylamino-methyl}-cyclohexaneacetic acid (XXIV A),~~



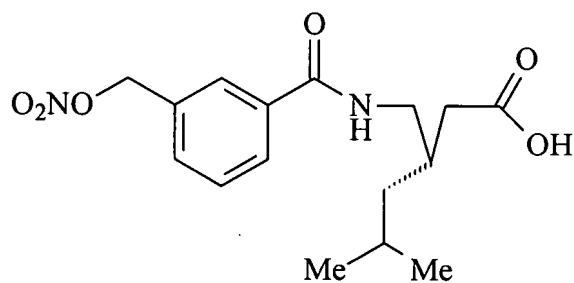
(XXIV A)

3-(S)-[4-(nitrooxymethyl)benzoylaminomethyl]-5-methyl-hexanoic acid (XXV A),



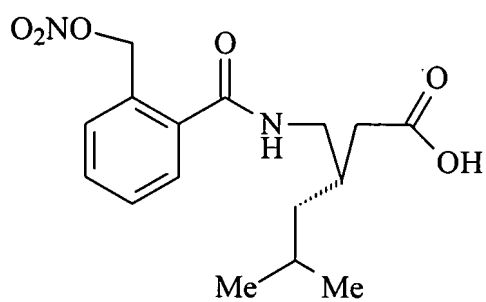
(XXVA)

3-(S)-[3-(nitrooxymethyl)benzoylamino]-5-methyl-hexanoic acid (XXVIA),



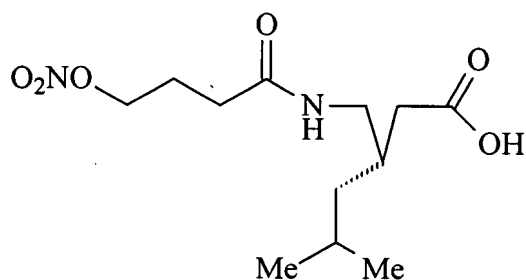
(XXVIA)

3(S)-[2-(nitrooxymethyl)benzoylamino]-5-methyl-hexanoic acid (XXVIIA),



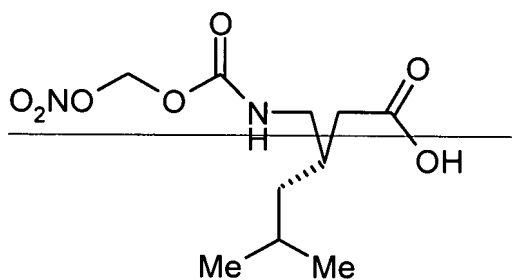
(XXVIIA)

3(S)-[4-(nitrooxybutanoyl)aminomethyl]-5-methyl-hexanoic acid (XXVIII A),



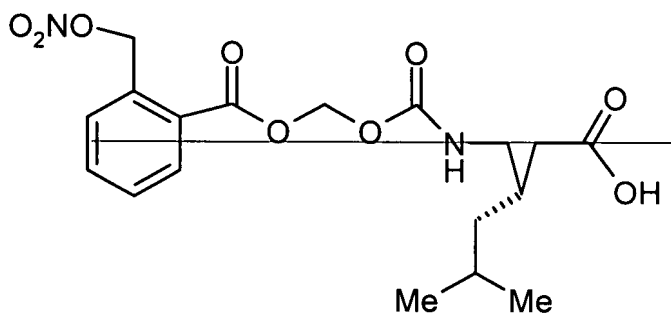
(XXVIII A)

~~(S)-[4-(nitrooxymethoxycarbonyl)aminomethyl]-5-methyl-hexanoic acid (XXIX A),~~



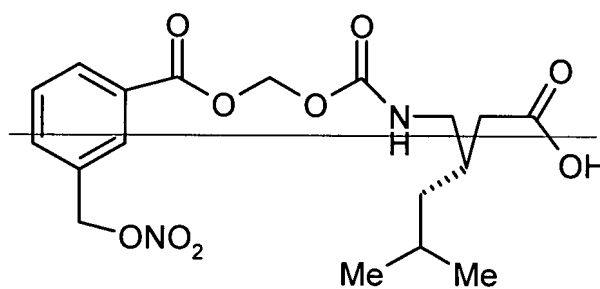
(XXIXA)

~~3(S)-[[2-(nitrooxymethyl)benzoyloxy]methoxycarbonylaminomethyl]-5-methyl-hexanoic acid (XXXA),~~



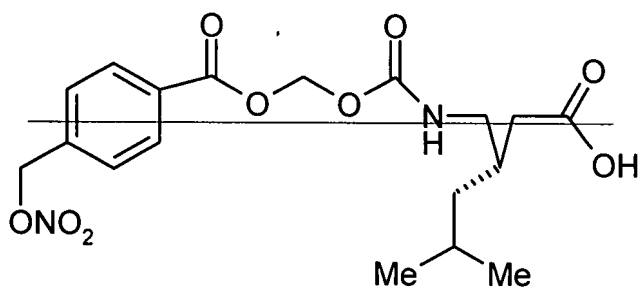
(XXXA)

~~3(S)-[[3-(nitrooxymethyl)benzoyloxy]methoxycarbonylaminomethyl]-5-methyl-hexanoic acid (XXXIA),~~



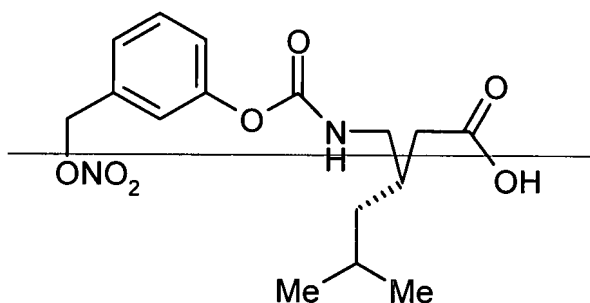
(XXXIA)

~~3(S)-[[4-(nitrooxymethyl)benzoyloxy]methoxycarbonylaminomethyl]-5-methyl-hexanoic acid (XXXIIA),~~



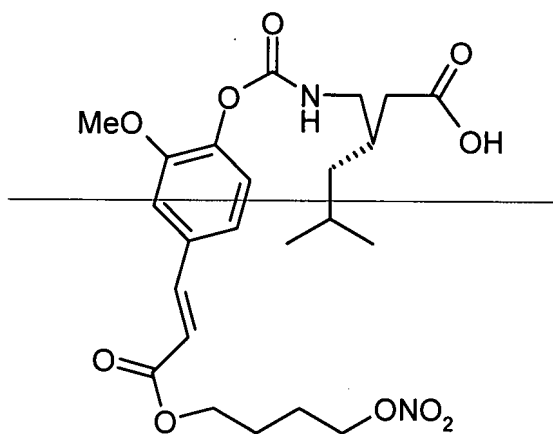
(XXXIII A)

3(S)-[(3-nitrooxymethyl)phenoxy]carbonylaminoethyl-5-methyl-hexanoic acid (XXXIII A),



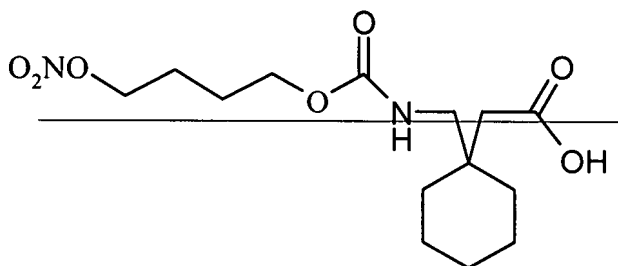
(XXXIII A)

3(S)-[2-methoxy-4-[(1E)-3-[4-(nitrooxybutoxy)-3-oxa-1-propenyl]phenoxy]carbonyl-aminomethyl]-5-methyl-hexanoic acid (XXXIV A),



(XXXIV A)

~~1-[4-(nitrooxybutyloxycarbonyl)aminomethyl]-cyclohexanecarboxylic acid (XXXVA),~~



~~(XXXVA)~~

7. (Previously Presented) Compounds according to claim 1, in combination with NO-donor compounds.

8. (Original) Compounds according to claim 7, wherein the NO-donors contain in the molecule radicals of the following drugs: aspirin, salicylic acid, ibuprofen, paracetamol, naproxen, diclofenac and flurbiprofen.

9. (Previously Presented) Pharmaceutical compositions comprising compounds according to claim 1 as active ingredients.

10. (Previously Presented) Compounds according to claim 1 to be employed as a drug.

11. (Withdrawn and Currently Amended) ~~Use of~~ A method of treatment of chronic pain comprising administering an effective amount of the compounds according to claim 1 ~~for preparing drugs for chronic pain.~~

12. (Withdrawn and Currently Amended) ~~Use of the compounds~~ The method according to claim 11, wherein the chronic pain is neurophatic pain.